

6. (Amended) A reagent according to Claim 5, wherein said antigenic peptide (1) and said mixotope (2) are attached to said support sequentially.
7. (Amended) A reagent according to Claim 1, wherein the ratio of antigenic peptide to mixotope in the mixture is between 1:10 and 1:100.
8. (Amended) An enzyme immunological method of diagnosing an HIV-1 infection, which employs a diagnostic reagent according to Claim 1.
9. (Amended) A method according to Claim 8, which comprises:
- bringing a serum to be analysed into contact with a reagent comprising a mixture consisting of (1) an antigenic peptide coded for by the *pol* gene of HIV-1 and comprising at most 60 amino acids, and (2) a mixture, called a mixotope, of convergent combinatorial peptides derived from said antigenic peptide;
 - adding anti-human Ig antibodies coupled with an enzyme; and
 - qualitatively and/or quantitatively disclosing the anti-integrase antibodies which may be present in the serum to be analysed by adding the enzyme substrate.
10. (Amended) A method according to Claim 8, which comprises:
- attaching to a support a reagent comprising a mixture consisting of (1) an antigenic peptide coded for by the *pol* gene of HIV-1 and comprising at most 60 amino acids, and (2) a mixture, called a mixotope, of convergent combinatorial peptides derived from said antigenic peptide;
 - adding the serum to be analysed;
 - detecting the attachment of the anti-integrase antibodies present in said serum by adding anti-human IgG antibodies coupled with an enzyme; and
 - qualitatively and/or quantitatively disclosing said antibodies in a spectrophotometer by adding the enzyme substrate.
11. (Amended) A kit for diagnosing an HIV-1 infection, which comprises at least one reagent according to Claim 1.

→

✓